

DECORATIVE FOUNTAIN

1 BACKGROUND OF THE INVENTION

2 1. Field of the Invention

3 The present invention relates to a decorative fountain, and more
4 particularly to a decorative fountain which is able to spout water received in the
5 reservoir in an interlaced manner to present an ornamental effect.

6 2. Description of Related Art

7 A common tabletop decorative fountain usually is provided with a
8 reservoir for receiving therein water, a pump immersed in the water to pump the
9 water upward through an inlet of a hose having an outlet defined in the hose such
10 that when the pump is activated, the water will be pumped upward into the hose
11 via the inlet and then the water in the hose will fall back into the reservoir via the
12 outlet. The mono-function design of this fountain provides only a slight
13 ornamental effect because after the observer watches the fountain for a period of
14 time, the observer will find that it is quite boring watching the same design over
15 and over again. The observer can not have any inspiration out of the rudimentary
16 design.

17 To overcome the shortcomings, the present invention tends to provide an
18 improved decorative fountain to mitigate the aforementioned problems.

19 SUMMARY OF THE INVENTION

20 The primary objective of the present invention is to provide an improved
21 decorative fountain which is able to sprinkle water in an interlaced manner to
22 provide an interesting ornamental effect.

1 Another objective of the present invention is to provide a circuit board in
2 the base of the decorative fountain to control illumination and color change of
3 light bulbs to provide a joyful and interesting effect far beyond that which the
4 existing fountains can accomplish.

5 Other objects, advantages and novel features of the invention will
6 become more apparent from the following detailed description when taken in
7 conjunction with the accompanying drawings.

8 BRIEF DESCRIPTION OF THE DRAWINGS

9 Fig. 1 is a perspective view of the decorative fountain of the present
10 invention;

11 Fig. 2 is an exploded perspective view of the decorative fountain in Fig.
12 1;

13 Fig. 3 is schematic cross sectional view of the decorative fountain of the
14 present invention; and

15 Fig. 4 is a schematic view showing the operation of the decorative
16 fountain, wherein the water is spouted in an interlaced manner and light bulbs
17 illuminate with different colors such that an unexpected ornamental effect is
18 presented.

19 DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

20 With reference to Fig. 1, the decorative fountain in accordance with the
21 present invention has a body (10) and a reservoir (20) having the body (10)
22 detachably supported thereon.

23 With reference to Fig. 2, it is noted that the body (10) of the decorative

1 fountain of the present invention has a hollow frame (13) with a hose (131)
2 received inside the frame (13) and having multiple outlets (132) formed along an
3 inner periphery of the hose (131) and extending out of the inner periphery of the
4 hose (131), an opening (134) defined in a bottom of the inner periphery of the
5 frame (13) and a screen (135) securely mounted on top of the opening (133) to
6 cover the opening (133). The hose (131) further has an inlet (133) extending out
7 of the opening (134). A base (11) is securely attached to a bottom of the hollow
8 frame (13) and having a through hole (111) defined to correspond to the opening
9 (133) of the frame (13), a flange (112) formed along a periphery defining the
10 through hole (111) and a seat (113) securely connected to the flange (112) and
11 provided with a side hole (114) defined in a side face of the seat (113).

12 The reservoir (20) is provided with a receiving space (21) for receiving
13 water therein and ledges (22) formed between two adjacent side walls forming
14 the receiving space (21).

15 A pump (30) is securely attached to a bottom face of the receiving space
16 (21) and a plug (40) is applied to plug a drainage hole (211) in the bottom face of
17 the receiving space (21). A circuit board (50) has multiple light bulbs (51)
18 (preferably light emitting diodes, LEDs) provided on top of the circuit board
19 (50).

20 With reference to Fig. 3, when the decorative fountain of the present
21 invention is in assembly, the circuit board (50) is received in the seat (113) from
22 the side hole (114) of the seat (113) and an electrical wire (60) connecting the
23 circuit board (50) to the pump (30) is extended out of the reservoir (20) from the

1 plug (40). Thereafter, the base (11) is placed on top of the reservoir (20) to be
2 supported by the ledges (22) in the receiving space (21). Due to the secure
3 engagement between the hollow frame (13) and the base (11), the assembly of
4 the decorative fountain is accomplished after the base (11) is supported on top of
5 the receiving space (21) of the reservoir (20).

6 With reference to Fig. 4 and taking Fig. 2 for reference, after the
7 assembly of the decorative fountain of the present invention, the user may fill the
8 receiving space (21) of the reservoir (20) with water such that the pump (30) and
9 the plug (40) as well as the inlet (133) of the hose (131) are all immersed in the
10 water. Therefore, when the pump (30) is activated, the water received in the
11 reservoir (20) will be pumped upward and enters the hose (131) via the inlet
12 (133). Then, the water in the hose (131) will be spouted out from the outlets (132)
13 and flow back into the reservoir (20) via the screen (135) to filter out foreign
14 objects in the water. It is to be noted that when the water is being sprinkled, due
15 to the angles of the outlets (132), the water trajectories spouted from each of the
16 outlets (132) interlace with one another to form multiple different shapes, which
17 is able to present an interesting entertainment effect.

18 When the water is being circulated, the LEDs (51) on the circuit board
19 (50) are lit and able to emit different colors, which accompanies the multiple
20 different interlaced shapes of water trajectories formed by ejected water from the
21 outlets (132) and presents a colorful and changeable effect.

22 Due to the constant change of light colors from the LEDs (51) from the
23 control of the circuit board (50), the observer is able to watch the decorative

1 fountain for a long period of time without feeling bored.
2 It is to be understood, however, that even though numerous
3 characteristics and advantages of the present invention have been set forth in the
4 foregoing description, together with details of the structure and function of the
5 invention, the disclosure is illustrative only, and changes may be made in detail,
6 especially in matters of shape, size, and arrangement of parts within the
7 principles of the invention to the full extent indicated by the broad general
8 meaning of the terms in which the appended claims are expressed.